

Contents Volume 123, 1995

VOL. 123, NOS. 1–4

Research Papers

- Helium and carbon geochemistry of hydrothermal fluids from the Mid-Okinawa Trough Back Arc Basin, southwest of Japan
J. Ishibashi, Y. Sano, H. Wakita, T. Gamo, M. Tsutsumi and H. Sakai 1
- Application of isotope dilution for precise measurement of Zr and Hf in low-abundance samples and international reference materials
by inductively coupled plasma mass spectrometry: implications for Zr (Hf)/REE fractionations in komatiites
Q. Xie and R. Kerrich 17
- The Gabal Gerf complex: A Precambrian N-MORB ophiolite in the Nubian Shield, NE Africa
M. Zimmer, A. Kröner, K.P. Jochum, T. Reischmann and W. Todt 29
- Trace-element and isotopic characteristics of spinel peridotite xenoliths from Saudi Arabia
J. Blusztajn, S.R. Hart, N. Shimizu and A.V. McGuire 53
- Origin of topaz-bearing and related peraluminous granites of the Late Devonian Davis Lake pluton, Nova Scotia, Canada: crystal
versus fluid fractionation
J. Dostal and A.K. Chatterjee 67
- Petrography and mineral chemistry of the composite Deboullie pluton, northern Maine, U.S.A.: Implications for the genesis of Cu–Mo
mineralization
P.J. Loferski and R.A. Ayuso 89
- The controls on the major- and trace-element evolution of shales, siltstones and sandstones of Ordovician to Tertiary age in the Wet
Mountains region, Colorado, U.S.A.
R.L. Cullers 107
- A stable isotope and organic geochemical study of the relationship between the Anthracosia shale and Kupferschiefer mineralization
(SE Poland)
S. Speczik, A. Bechtel, Y.Z. Sun and W. Püttmann 133
- Stable isotopic compositions of carbonates from the Mesoproterozoic Bangemall Group, northwestern Australia
R. Buick, D.J. Des Marais and A.H. Knoll 153
- Sedimentology and geochemistry of carbonates from lacustrine sequences in the Madrid Basin, central Spain
J.P. Calvo, B.F. Jones, M. Bustillo, R. Fort, A.M. Alonso Zarza and C. Kendall 173

Discussion

- Giant pyritic base-metal deposits: the example of Feitais (Aljustrel, Portugal) — Comments on Comments
C.A. Boulter 193
- Giant pyritic base-metal deposits: the example of Feitais (Aljustrel, Portugal) — Reply to discussion by Boulter
R.W. Hutchinson 195

Isotope Geoscience Section

Research Papers

- Rb–Sr study on langbeinite and other salt minerals from a Zechstein diapir in northern Germany
S. Philippe and U. Haack 199
- Application of U–Xe and U–Kr systems for dating U minerals: a key for interpreting discordant U–Pb ages
J. Eikenberg and V. Köppel 209
- A systematic and practical method of liquid chromatography for the determination of Sr and Nd isotopic ratios and REE
concentrations in geological samples
C. Na, T. Nakano, K. Tazawa, M. Sakagawa and T. Ito 225

Oxygen and hydrogen isotopic evolution of Variscan crustal fluids, south Cornwall, U.K.

J.J. Wilkinson, G.R.T. Jenkin, A.E. Fallick and R.P. Foster 239

Contents Volume 123, 1995 255